

15 FAM 780 EMERGENCY GENERATORS, UNINTERRUPTIBLE POWER SYSTEMS (UPS), VOLTAGE REGULATORS, AND ELECTRICAL TRANSFORMERS

*(CT:OBO-1; 04-29-2005)
(Office of Origin: OBO)*

15 FAM 781 EMERGENCY GENERATORS

15 FAM 781.1 Policy

*(CT:OBO-1; 04-29-2005)
(Uniform State/USAID/Commerce/Agriculture/DIA)*

The Facilities Management Division in the Operations and Maintenance Office of the Bureau of Overseas Buildings Operations (OBO/OM/FAC) supports emergency and critical power needs for all State Department facilities abroad, including funding, equipment, and technical and systems maintenance assistance. Diesel engine generators support mission-critical systems and facility security systems, enabling post electrical loads to operate when city power supply is unreliable or fails. Funding availability generally does not allow for immediate implementation of post requests. Requests for program support are evaluated and ranked by OBO/OM/FAC based on the condition of city power supply and post's assessment of the physical security implications of unreliable power equipment, including generators. Implementation may be phased over multiple fiscal years. OBO/OM/FAC may undertake generator projects or allot funds to post for this purpose (see 15 FAM 795). Analytical and lab services for generator fluids, including engine oil, also will be funded by OBO/OM/FAC in response to post requests for support and program equipment reliability testing.

15 FAM 781.2 Funding and Approval

*(CT:OBO-1; 04-29-2005)
(Uniform State/USAID/Commerce/Agriculture/DIA)*

- a. **Department of State:** The Facilities Management Division in the Operations and Maintenance Office of the Bureau of Overseas Buildings Operations (OBO/OM/FAC) funds the purchase of equipment, its

installation, major equipment overhauls, and replacement, for Department of State-held, U.S. Government-owned/long-term leased (GO/LTL) or Department of State-occupied short-term leased (STL) real property. Post diplomatic and consular programs (DCP) or occupying agency funds must be used for preventive maintenance contracts, spare parts, and operating expenses such as fuel and filters.

- b. **USAID:** Generator purchases may be authorized by the mission director; no prior USAID/Washington approval is required.

15 FAM 782 UNINTERRUPTIBLE POWER SYSTEMS (UPS)

(CT:OBO-1; 04-29-2005)

(Uniform State/USAID/Commerce/Agriculture/DIA)

- a. **Department of State:** The Facilities Management Division in the Operations and Maintenance Office of the Bureau of Overseas Buildings Operations (OBO/OM/FAC) is responsible for providing uninterruptible power systems (UPS) equipment when conditions at a post make it necessary to support sensitive mission-critical equipment. UPS equipment provides a highly stable, no-break source of power for a short period immediately after the main power source fails. Only sensitive mission-critical equipment generally requires connection to UPS. Loads more commonly suffer from voltage fluctuations from the nominal values expected from the host-country city power supply (see 15 FAM 783, paragraph b, for voltage regulator equipment). Costly UPS equipment requires/demands posts have maintenance capabilities consistent with those of the United States. Users shall demonstrate that power supplies and specific loads with low power-quality tolerance cannot operate without UPS power. Diplomatic and consular programs (DCP) funds may be used for other systems that posts may purchase directly. UPS procurement or installation may not take place without OBO/OM/FAC approval (see 15 FAM 795).
- b. **USAID:** The mission director may authorize UPS purchases without prior USAID/Washington approval.

15 FAM 783 ELECTRICAL TRANSFORMERS, SWITCHGEAR, AND VOLTAGE REGULATORS

(CT:OBO-1; 04-29-2005)

(Uniform State/USAID/Commerce/Agriculture/DIA)

- a. To sustain reliable post operations, the Facilities Management Division in the Operations and Maintenance Office of the Bureau of Overseas Buildings Operations (OBO/OM/FAC) provides technical assessment, analysis, and engineering support for modification and replacement of main electrical transformers, switchgear, and power plant transfer schemes. OBO/OM/FAC funds both the replacement and installation of transformers containing polychlorinated biphenyls (PCBs). Posts should contact OBO/OM/FAC to arrange for PCB identification, testing, surveying, and any replacements in compliance with Title 40 Code of Federal Regulations (CFR) 761.
- b. After determination that the local power supply is inadequate for post operations, OBO may provide equipment to control and regulate the power supply so that voltage is compatible with post-selected loads. Posts should contact OBO/OM/FAC for guidance and support for selected voltage regulator equipment.

15 FAM 784 THROUGH 789 UNASSIGNED